

Title (en)

METHODS FOR SIMULTANEOUS LOCALIZATION AND MAPPING (SLAM) AND RELATED APPARATUS AND SYSTEMS

Title (de)

VERFAHREN FÜR SIMULTANE LOKALISIERUNG UND MAPPING (SLAM) UND ZUGEHÖRIGE VORRICHTUNGEN UND SYSTEME

Title (fr)

PROCÉDÉS DE LOCALISATION ET CARTOGRAPHIE SIMULTANÉS (SLAM) ET APPAREIL ET SYSTÈMES ASSOCIÉS

Publication

EP 3494447 A1 20190612 (EN)

Application

EP 17764677 A 20170804

Priority

- US 201662371187 P 20160804
- US 2017045644 W 20170804

Abstract (en)

[origin: WO2018027206A1] Some embodiments of location estimation methods may (1) facilitate the task of efficiently finding the location of a mobile platform in scenarios in which the uncertainties associated with the coordinates of the map features are anisotropic and/or non- proportional, and/or (2) facilitate decoupling of location estimation from feature estimation. Some embodiments of feature estimation methods may (1) facilitate the combining of environmental descriptions provided by two or more mobile platforms, and/or (2) facilitate decoupling of a data aggregation from feature re-estimation.

IPC 8 full level

G05D 1/02 (2006.01)

CPC (source: EP US)

G01C 21/3841 (2020.08 - EP US); **G01C 21/3848** (2020.08 - EP US); **G06F 16/29** (2018.12 - US); **G06T 7/70** (2016.12 - US); **G06T 2207/30244** (2013.01 - US)

Citation (search report)

See references of WO 2018027206A1

Cited by

EP4050564A1; US11915448B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2018027206 A1 20180208; CA 3032812 A1 20180208; EP 3494447 A1 20190612; EP 3494447 B1 20210519; EP 3943888 A1 20220126; US 10444021 B2 20191015; US 11215465 B2 20220104; US 2019178654 A1 20190613; US 2020284587 A1 20200910

DOCDB simple family (application)

US 2017045644 W 20170804; CA 3032812 A 20170804; EP 17764677 A 20170804; EP 21174306 A 20170804; US 201916267175 A 20190204; US 201916653472 A 20191015